PORTAL

USPTO

Subscribe (Full Service)   Register (Limited Se₁

Search: ⊙ The ACM Digital Library   ○ The (

+smart +card +identifier +message

ℱ Feedback   Report a problem

Published since January 1990 and Published before November 2000
Terms used **smart** **card** **identifier** **message**

Sort results by	relevance ▽	❖ Save results to a Binder	Try an Advanc
		☐ Search Tips	Try this search
Display results	expanded form ▽	☐ Open results in a new window	

Results 1 - 20 of 63   Result page: **1**   2   3   4   next

R₁

1 Lower bounds on messages and rounds for network authentication protoco
◈ Li Gong
December 1993 **Proceedings of the 1st ACM conference on Computer a communications security**
Publisher: ACM Press
Full text available: 🖻 pdf(1.25 MB)   Additional Information: full citation, abst citings, index ter₁

The encrypted key exchange (EKE) protocol is augmented so that hosts ₁ cleartext passwords. Consequently, adversaries who obtain the one-way file may (i) successfully mimic (spoof) the host to the user, and (ii) mou₁ against the encrypted passwords, but cannot mimic the user to the host. ₁ important security properties of EKE are preserved—an active network ₂ insufficient information to mount dictionary attac ...

2 Design, implementation, and performance measurement of a native-mode ₁ (extended version)
R. Ahuja, S. Keshav, H. Saran
August 1996 **IEEE/ACM Transactions on Networking (TON),** Volume
Publisher: IEEE Press
Full text available: 🖻 pdf(1.66   Additional Information: full citation, refe₁

Keywords: AAL 5, asynchronous transfer mode, native-mode ATM, pei transport layer

3 Authentication in distributed systems: theory and practice

Butler Lampson, Martín Abadi, Michael Burrows, Edward Wobber

September 1991 **ACM SIGOPS Operating Systems Review , Proceedin{ ACM symposium on Operating systems principles SO! Issue 5**

Publisher: ACM Press

Full text available: pdf(2.33 MB)   Additional Information: full citation, abst citings, index ten

We describe a theory of authentication and a system that implements it. (on the notion of principal and a "speaks for" relation between principals. either has a name or is a communication channel; a compound principal adopted role or delegation of authority. The theory explains how to reasc principal's authority by deducing the other principals that it can speak fo channel is one important application. We use the th ...

4 Secure audit logs to support computer forensics

Bruce Schneier, John Kelsey

May 1999 **ACM Transactions on Information and System Security (TI Issue 2**

Publisher: ACM Press

Full text available: pdf(125.50 KB)   Additional Information: full citation, abst citings, index ten

In many real-world applications, sensitive information must be kept it lo untrusted machine. In the event that an attacker captures this machine, w guarantee that he will gain little or no information from the log files and to corrupt the log files. We describe a computationally cheap method for entries generated prior to the logging machine's compromise impossible read, and also impossible to modify or dest ...

Keywords: audit logs, auditing, authenthication, computer forensics, has detection

5 Authentication in distributed systems: theory and practice

Butler Lampson, Martín Abadi, Michael Burrows, Edward Wobber
November 1992 **ACM Transactions on Computer Systems (TOCS)**, Vc
Publisher: ACM Press
Full text available: 🅐 pdf(3.37 MB)   Additional Information: full citation, abst
citings, index ten

We describe a theory of authentication and a system that implements it. (on the notion of principal and a "speaks for" relation between principals. either has a name or is a communication channel; a compound principal adopted role or delegated authority. The theory shows how to reason abc authority by deducing the other principals that it can speak for; authentic one important application. We ...

Keywords: certification authority, delegation, group, interprocess comm distribution, loading programs, path name, principal, role, secure channe computing base

6 Nark: receiver-based multicast non-repudiation and key management

Bob Briscoe, Ian Fairman
November 1999 **Proceedings of the 1st ACM conference on Electronic (**
Publisher: ACM Press
Full text available: 🅐 pdf(168.86 KB)   Additional Information: full citation, refe index terms

Keywords: Internet, audit trail, key management, multicast, non-repudia watermark

7 Revokable and versatile electronic money (extended abstract)

Markus Jakobsson, Moti Yung

January 1996 **Proceedings of the 3rd ACM conference on Computer an security**
Publisher: ACM Press
Full text available: 🖼 pdf(1.53   Additional Information: full citation, refe:
                              MB)   index terms

8 Undeniable billing in mobile communication
◈ Jianying Zhou, Kwok-Yan Lam
October 1998 **Proceedings of the 4th annual ACM/IEEE international (Mobile computing and networking**
Publisher: ACM Press
Full text available: 🖼 pdf(864.03   Additional Information: full citation, refe:
                              KB)

Keywords: cryptographic protocol, mobile communication security, nor undeniable billing

9 Xunet 2: lessons from an early wide-area ATM testbed
Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Restrick
February 1997 **IEEE/ACM Transactions on Networking (TON),** Volun
Publisher: IEEE Press
Full text available: 🖼 pdf(231.69   Additional Information: full citation, refe:
                              KB)

Keywords: asynchronous transfer mode, available bit rate, constant bit r

10 Authentication in the Taos operating system
◈ Edward Wobber, Martín Abadi, Michael Burrows, Butler Lampson
February 1994 **ACM Transactions on Computer Systems (TOCS),** Voli
Publisher: ACM Press

Full text available: 📄 pdf(1.88 MB)   Additional Information: <u>full citation</u>, <u>abst</u> <u>citings</u>, <u>index ter</u>

We describe a design for security in a distributed system and its impleme design, applications gain access to security services through a narrow int interface provides a notion of identity that includes simple principals, gr delegations. A new operating system component manages principals, cre channels. It checks credentials according to the formal rules of a logic ol implementation is efficient enough to sup ...

Keywords: cryptography, mathematical logic

11 <u>Monitoring shared virtual memory performance on a Myrinet-based PC clu</u>
Cheng Liao, Dongming Jiang, Liviu Iftode, Margaret Martonosi, Douglas '
July 1998 **Proceedings of the 12th international conference on Superco**
Publisher: ACM Press

Full text available: 📄 pdf(1.35 MB)   Additional Information: <u>full citation</u>, <u>refe</u> <u>index terms</u>

12 <u>Atomicity in electronic commerce</u>
J. D. Tygar
May 1996 **Proceedings of the fifteenth annual ACM symposium on Prii**
distributed computing
Publisher: ACM Press

Full text available: 📄 pdf(1.74 MB)   Additional Information: <u>full citation</u>, <u>refe</u> <u>index terms</u>

13 <u>Location-aware mobile applications based on directory services</u>
Henning Maass
August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2
Publisher: Kluwer Academic Publishers

Full text available: 📄 <u>pdf(421.47 KB)</u> Additional Information: <u>full citation</u>, <u>abst</u> <u>citings</u>, <u>index ter</u>

Location-aware applications are becoming increasingly attractive due to

dissemination of wireless networks and the emergence of small and chea technologies. We developed a location information server that simplifies development of these applications by offering a set of generic location re notification services to the application. The data model and the access pr services are based on the X.500 directory service and the l ...

14 Proceedings - only: New channels, old concerns: scalable and reliable data
Colin Allison, Duncan McPherson, Dirk Husemann
September 2000 **Proceedings of the 9th workshop on ACM SIGOPS Eu beyond the PC: new challenges for the operating syste1**
Publisher: ACM Press
Full text available: pdf(76.39 KB)   Additional Information: full citation, abst

An interesting trend in the continuing convergence of information techn(emergence of the Internet as a content provider in its own right, as oppos being one of many delivery channels. For example, it is increasingly the items such as court rulings and software releases. Unfortunately the IP p: employed for reliable data transfer are of the point-to-point type and not scale one-to-many dissemination. Sudden rush ...

15 Flexible control of downloaded executable content
Trent Jaeger, Atul Prakash, Jochen Liedtke, Nayeem Islam
May 1999 **ACM Transactions on Information and System Security (TI** Issue 2
Publisher: ACM Press
Full text available: pdf(297.79 KB)   Additional Information: full citation, abst
                                                                citings, index ten

We present a security architecture that enables system and application a requirements to be enforced on applications composed from downloadec Downloaded executable content consists of messages downloaded from : contain executables that run, upon receipt, on the downloading principal' restricted, this content can perform malicious actions, including accessin principal's private data and sending messages on th ...

Keywords: access control models, authentication, autorization machanis systems, role-based access control

16 <u>Authentication in the Taos operating system</u>

Edward Wobber, Martín Abadi, Michael Burrows, Butler Lampson
December 1993 **ACM SIGOPS Operating Systems Review , Proceeding ACM symposium on Operating systems principles SOS** Issue 5

Publisher: ACM Press

Full text available: pdf(1.45 MB)   Additional Information: <u>full citation, abst citings, index ter</u>

We describe a design and implementation of security for a distributed sy applications access security services through a narrow interface. This int notion of identity that includes simple principals, groups, roles, and dele operating system component manages principals, credentials, and secure credentials according to the formal rules of a logic of authentication. Our efficient enough to support a substantia ...

17 <u>A new on-line cash check scheme</u>

Robert H. Deng, Yongfei Han, Albert B. Jeng, Teow-Hin Ngair
April 1997 **Proceedings of the 4th ACM conference on Computer and c security**

Publisher: ACM Press

Full text available: pdf(690.98 KB)   Additional Information: <u>full citation, refe</u>

18 <u>A comparison of mechanisms for improving TCP performance over wirele</u>
Hari Balakrishnan, Venkata N. Padmanabhan, Srinivasan Seshan, Randy H
December 1997 **IEEE/ACM Transactions on Networking (TON), Volu**
Publisher: IEEE Press

Full text available: pdf(372.38 KB)   Additional Information: <u>full citation, refe index terms, revi</u>

Keywords: TCP, computer networks, internetworking, link-layer protoc networks

19 Public-key cryptography and password protocols

Shai Halevi, Hugo Krawczyk

August 1999 **ACM Transactions on Information and System Security (**
2 Issue 3

Publisher: ACM Press

Full text available: ⊞ pdf(275.84   Additional Information: full citation, abst
KB)   citings, index ten

We study protocols for strong authentication and key exchange in asymr
where the authentication server possesses ~a pair of private and public k
has only a weak human-memorizable password as its authentication key.
analyze several simple password authentication protocols in this scenaric
security of these protocols can be formally proven based on standard cry
assumptions. Remarkably, our analysis shows optimal re ...

Keywords: dictionary attacks, hand-held certificates, key exchange, pas:
passwords, public-key protocols

20 The design and implementation of an intentional naming system

William Adjie-Winoto, Elliot Schwartz, Hari Balakrishnan, Jeremy Lilley

December 1999 **ACM SIGOPS Operating Systems Review , Proceedins**
seventeenth ACM symposium on Operating systems pr
Volume 33 Issue 5

Publisher: ACM Press

Full text available: ⊞ pdf(1.77   Additional Information: full citation, abst
MB)   citings, index ten

This paper presents the design and implementation of the Intentional Nai
a resource discovery and service location system for dynamic and mobil
devices and computers. Such environments require a naming system thai
describe and make requests based on specific properties of services, (ii) 1
changes due to mobility and performance, (iii) robust, to handle failures,
configurable. INS uses a simple language based o ...

The ACM Portal is published by the Association for Computing Machinery
ACM, Inc.

Useful downloads: ▦ Adobe Acrobat   ⓠ QuickTime   ▣ Windows Med
Player

Ⓐ PⒶRTAL

USPTO

Search: ◉ The ACM Digital Library   ○ The (

+smart +card +messaging

THE ACM DIGITAL LIBRARY

🐾 Feedback Report a problem

Published since January 1990 and Published before
November 2000
Terms used **smart card messaging**

Sort results by | relevance ▽ | ◆ Save results to a Binder   Try an Advanc
                                    ▣ Search Tips   Try this search

Display results | expanded form ▽ | □ Open results in a new window

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 10 ne
Best 200 shown   R(

1 Authentication services for computer networks and electronic messaging s
   Keok Auyong, Chye-Lin Chee
   July 1997 **ACM SIGOPS Operating Systems Review,** Volume 31 Issue
   Publisher: ACM Press
   Full text available: 📄 pdf(1.03 MB)   Additional Information: full citation, abst

   The paper surveys the authentication services used by modern computer
   presents the major operational authentication services employed by comi
   banking as well as government departments. As distributed system servi(
   to a variety of threats mounted by intruders as well as legitimate users of
   password-based authentication is not suitable for use on computer netwo

2 Using smartcards to secure a personalized gambling device
   William A. Aiello, Aviel D. Rubin, Martin J. Strauss
   November 1999 **Proceedings of the 6th ACM conference on Computer
   communications security**
   Publisher: ACM Press
   Full text available: 📄 pdf(762.94 KB)   Additional Information: full citation, abst
                                                                index terms
   We introduce a technique for using an untrusted device, such as a hand-l

assistant or a laptop to perform real financial transactions without a netw
tamper-resistant nature of smartcards to store value on them and perform
computations based on user input. We discuss an application of this to g;
technique has the properties that the user is guaranteed to make money w
house is guaranteed to make money w ...

3 Smart Cards and Biometrics: The cool way to make secure transactions
David Corcoran, David Sims, Bob Hillhouse
March 1999 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(22.95 KB) Additional Information: full citation, inde

4 Muscle Flexes Smart Cards into Linux
David Corcoran
August 1998 **Linux Journal**
Publisher: Specialized Systems Consultants, Inc.
Full text available: html(16.89 KB) Additional Information: full citation, abst

The newest kind of card for your pocketbook offers better security for th
holds

5 FACADE: a typed intermediate language dedicated to smart cards
Gilles Grimaud, Jean-Louis Lanet, Jean-Jacques Vandewalle
October 1999 **ACM SIGSOFT Software Engineering Notes , Proceedin
European software engineering conference held jointly w
SIGSOFT international symposium on Foundations of so
ESEC/FSE-7,** Volume 24 Issue 6
Publisher: Springer-Verlag, ACM Press
Full text available: pdf(1.23 MB) Additional Information: full citation, abst
                                                     citings, index ten

The use of smart cards to run software modules on demand has become ;
concern for application issuers. Such down-loadable executable content ;
by the card execution environment in order to ensure that an instruction (
compliant with the definition of the data stored in this area (i.e. its type).

for smart cards rely on three techniques. For Java Card, either an off-car
performs a static ...

6 Strength of two data encryption standard implementations under timing att

Alejandro Hevia, Marcos Kiwi

November 1999 **ACM Transactions on Information and System Securit**
Volume 2 Issue 4

Publisher: ACM Press

Full text available: pdf(183.73   Additional Information: full citation, abst
KB)   citings, index ter

We study the vulnerability of two implementations of the Data Encryptic
cryptosystem under a timing attack. A timing attack is a method, recentl'
Kocher, that is designed to break cryptographic systems. It exploits the e
involved in the implementation of cryptosystems and might succeed eve:
tems that remain impervious to sophisticated cryptanalytic techniques. A
essentially, a way of obtaining some users ...

Keywords: cryptanalysis, cryptography, data encryption standard, timin;

7 Authentication in the Taos operating system

Edward Wobber, Martín Abadi, Michael Burrows, Butler Lampson

February 1994 **ACM Transactions on Computer Systems (TOCS)**, Voh

Publisher: ACM Press

Full text available: pdf(1.88   Additional Information: full citation, abst
MB)   citings, index ter

We describe a design for security in a distributed system and its impleme
design, applications gain access to security services through a narrow int
interface provides a notion of identity that includes simple principals, gr
delegations. A new operating system component manages principals, cre
channels. It checks credentials according to the formal rules of a logic of
implementation is efficient enough to sup ...

Keywords: cryptography, mathematical logic

8 Smart cabling: an overview

A. H. Uittenbogaard, P. J. A. Lentfert, S. D. Swierstra
September 1990 **Proceedings of the 4th workshop on ACM SIGOPS Eu**
Publisher: ACM Press
Full text available: pdf(308.22 KB) Additional Information: full citation, abst

The Smart Cabling project is a cooperative project of HCS Industrial Au
the University of Utrecht. Its aim is to build highly reliable transputer ne
be used as message passing system in dynamically changing environmer
background is provided by research carried out at the University of Utre
Cabling network, distributed applications are provided with a fault-toler
communication: as long as paths exist between ...

9 On the fly signatures based on factoring

Guillaume Poupard, Jacques Stern
November 1999 **Proceedings of the 6th ACM conference on Computer**
communications security
Publisher: ACM Press
Full text available: pdf(786.71 KB) Additional Information: full citation, abst
citings, index ten

In response to the current need for fast, secure and cheap public-key cry
induced by the fast development of electronic commerce, we propose a r
signature scheme, i.e. a scheme that requires very small on-line work for
combines provable security based on the factorization problem, short pul
short transmission and minimal on-line computation. It is the first RSA-l
scheme that can be used for both ef ...

10 Authentication in the Taos operating system

Edward Wobber, Martín Abadi, Michael Burrows, Butler Lampson
December 1993 **ACM SIGOPS Operating Systems Review , Proceedin§**
ACM symposium on Operating systems principles SOS
Issue 5
Publisher: ACM Press
Full text available: pdf(1.45 MB) Additional Information: full citation, abst
citings, index ten

We describe a design and implementation of security for a distributed sy

applications access security services through a narrow interface. This int notion of identity that includes simple principals, groups, roles, and dele; operating system component manages principals, credentials, and secure credentials according to the formal rules of a logic of authentication. Oui efficient enough to support a substantia ...

11 Anonymous credit cards

Steven H. Low, Sanjoy Paul, Nicholas F. Maxemchuk
November 1994 **Proceedings of the 2nd ACM Conference on Computei communications security**
Publisher: ACM Press
Full text available: pdf(871.53 Additional Information: full citation, abst
                     KB)   citings, index ten

This paper describes a communications networking technique for funds 1 combines the privacy of cash transactions with the security, record-keepi mechanisms of credit cards. The scheme uses a communications networl protocols to separate information. The company that extends credit to th(collects the bill does not have access to the specific purchases, and the sl merchandise is convinced that it will be paid withou ...

12 A new signature scheme based on the DSA giving message recovery

Kaisa Nyberg, Rainer A. Rueppel
December 1993 **Proceedings of the 1st ACM conference on Computer a communications security**
Publisher: ACM Press
Full text available: pdf(261.63 Additional Information: full citation, abst
                     KB)   citings, index ten

In this paper we present a modification of the DSA which allows signatu recovery. The new public key signature scheme is then applied to create based public key system without restrictions in trust and (b) a one-pass k protocol with mutual authentication.

13 Environment-mediated mobile computing

Hans-W. Gellersen, Michael Beigl, Albrecht Schmidt
February 1999 **Proceedings of the 1999 ACM symposium on Applied co**
Publisher: ACM Press

Full text available: 📄 pdf(358.89   Additional Information: <u>full citation</u>, <u>refe</u>
                                    KB)   <u>index terms</u>

Keywords: computer-mediated communication, computer-supported co
environment-mediated communication, mobile computing, ubiquitous cc

14 <u>Meta-ElGamal signature schemes</u>
Patrick Horster, Holger Petersen, Markus Michels
November 1994 **Proceedings of the 2nd ACM Conference on Computeı
communications security**
Publisher: ACM Press
Full text available: 📄 pdf(1.16   Additional Information: <u>full citation</u>, <u>abst</u>
                                    MB)   <u>citings</u>, <u>index ten</u>

There have been many approaches in the past to generalize the ElGamal
In this paper we integrate all these approaches in a Meta-ElGamal signat
also investigate some new types of variations, that haven't been consider
method we obtain in our example settings numerous variants of the ElGa
these variants, we can extract new, highly efficient signature schemes, w
proposed before. As an example, we present efficie ...

15 <u>Probabilistic quorum protocols for biometrical user authentication in OLTI</u>
V. K. Murthy
January 1996 **ACM SIGSAC Review**, Volume 14 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(398.59
                                    KB)   Additional Information: <u>full citation</u>, <u>abst</u>

A statistical zero-knowledge authentication scheme is described for secu
line database transaction processing systems (OLTP). This scheme uses
quorum protocols to validate users using their biometrical characteristics
handwriting and keyboard characteristics). This authentication scheme c
using the present-day smart card technology.

16 <u>The impact of electronic commerce</u>
Kaiyin Huang

◈ April 1997 **Proceedings of the 1997 ACM SIGCPR conference on Com**
   research
   Publisher: ACM Press
   Full text available: 🗎 pdf(702.19
   KB)   Additional Information: full citation, refe

17 Lower bounds on messages and rounds for network authentication protoco
◈ Li Gong
   December 1993 **Proceedings of the 1st ACM conference on Computer a**
   communications security
   Publisher: ACM Press
   Full text available: 🗎 pdf(1.25   Additional Information: full citation, abst
   MB)   citings, index ter

   The encrypted key exchange (EKE) protocol is augmented so that hosts ‹
   cleartext passwords. Consequently, adversaries who obtain the one-way
   file may (i) successfully mimic (spoof) the host to the user, and (ii) mou
   against the encrypted passwords, but cannot mimic the user to the host. I
   important security properties of EKE are preserved—an active network ⟨
   insufficient information to mount dictionary attac ...

18 Efficient verifiable encryption (and fair exchange) of digital signatures
◈ Giuseppe Ateniese
   November 1999 **Proceedings of the 6th ACM conference on Computer**
   communications security
   Publisher: ACM Press
   Full text available: 🗎 pdf(781.40 Additional Information: full citation, abst
   KB)   citings, index ter

   A fair exchange protocol allows two users to exchange items so that eith
   other's item or neither user does. In [2], verifiable encryption is introduc‹
   that can be used to build extremely efficient fair exchange protocols whe
   exchanged represent digital signatures. Such protocols may be used to di
   contracts.This paper presents new simple schemes for verifiable encrypti
   signatures. We make us ...

   Keywords: contract signing problem, digital signatures, fair exchange, ᵖ

public-key cryptography, verifiable encryption

19 Cross-domain one-shot authorization using smart cards
Richard Au, Mark Looi, Paul Ashley
November 2000 **Proceedings of the 7th ACM conference on Computer communications security**
Publisher: ACM Press
Full text available: pdf(283.05 KB) Additional Information: full citation, refe:

Keywords: access control, authorization scheme, authorization server, o authorization token, smart card

20 Nark: receiver-based multicast non-repudiation and key management
Bob Briscoe, Ian Fairman
November 1999 **Proceedings of the 1st ACM conference on Electronic (**
Publisher: ACM Press
Full text available: pdf(168.86 KB) Additional Information: full citation, refe: index terms

Keywords: Internet, audit trail, key management, multicast, non-repudia watermark

Results 1 - 20 of 200   Result page: **1** 2 3 4 5 6 7 8 9 1

The ACM Portal is published by the Association for Computing Machinery
ACM, Inc.
Terms of Usage   Privacy Policy   Code of Ethics   Contaci

Useful downloads: Adobe Acrobat   QuickTime   Windows Med Player

IEEE *Xplore* ©
RELEASE 2.1

Welcome United States Patent and Trademark Office

☐ **Search Results**

BROWSE SEARCH IEEE GUID

Results for "(((smart card messaging authentication)<in>metadata)) <a
1990 <and> ...
Your search matched **0** documents.
A maximum of 100 results are displayed, **25** to a page, sorted by **Relevance**
Descending order.

» Search Options

View Session
History

New Search

Modify Search

(((smart card messaging authentication)<in>metada

☐ Check to search only within this results set

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Display Format: ⊙ Citation ○ Citation & Abstract

No results were found.

Please edit your search criteria and try again. Refer
assistance revising your search.

IEEE Xplore RELEASE 2.1

Welcome United States Patent and Trademark Office

☐ **Search Results**   **BROWSE SEARCH IEEE GUID**

Results for "(((smart card messaging)<in>metadata)) <and> (pyr >= 19 pyr <= 2001)"
Your search matched **0** documents.
A maximum of 100 results are displayed, **25** to a page, sorted by **Relevance Descending** order.

» Search Options

View Session History

New Search

» Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Modify Search

(((smart card messaging)<in>metadata)) <and> (pyr

☐ Check to search only within this results set

Display Format: ◉ Citation ○ Citation & Abstract

No results were found.

Please edit your search criteria and try again. Refer assistance revising your search.

Indexed by
Inspec

IEEE Xplore ©
RELEASE 2.1

**Welcome United States Patent and
Trademark Office**

Search Results   **BROWSE SEARCH IEEE
GUD**

Results for "(((chip card messaging)<in>metadata)) <and> (pyr >= 199ı
<= 2001)"
Your search matched **0** documents.
A maximum of 100 results are displayed, **25** to a page, sorted by **Relevance
Descending** order.

» Search Options

View Session
History   **Modify Search**

New Search   (((chip card messaging)<in>metadata)) <and> (pyr ≥

☐ Check to search only within this results set

» Key

**Display
Format:** ⊙ Citation ○ Citation &
Abstract

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

No results were found.

Please edit your search criteria and try again. Refer
assistance revising your search.

IEEE Xplore® RELEASE 2.1

Welcome United States Patent and Trademark Office

Search Results   **BROWSE SEARCH** IEEE GUID

Results for "(((chip card security)<in>metadata)) <and> (pyr >= 1990 < 2001)"
Your search matched **0** documents.
A maximum of 100 results are displayed, **25** to a page, sorted by **Relevance** **Descending** order.

» Search Options

View Session History

New Search

Modify Search

| (((chip card security)<in>metadata)) <and> (pyr >= 1 |

☐ Check to search only within this results set

» Key

IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Display Format: ◉ Citation ○ Citation & Abstract

No results were found.

Please edit your search criteria and try again. Refer assistance revising your search.

Google
Scholar BETA

| smart card unique id number | Search |

Scholar Results **1 - 10** of about **19,900** for **smart card unique id number** . ((

How to prove yourself: Practical solutions to   **All articles** Recent articles
identification and signature problems - group of
4 »
A Fiat, A Shamir - Crypto, 1986 - Springer
... of such protocols to practical identification and signature ... trusted center (a
government,
a credit **card** company, a ... etc.) which issues the **smart cards** to users ...
Cited by 761 - Web Search

[BOOK] **Smart Card** Handbook
W Rankl, W Effing - 2004 - books.google.com
... 490 8Security Techniques 491 8. 1 User Identification 491 8. 1 . 1 Testing a
secret
number 493 8. 1 .2 Biometric methods 498 8.2 **Smart Card** Security 510
8.2. ...
Cited by 141 - Web Search - Library Search

Security and Privacy Aspects of Low-Cost Radio Frequency Identification
Systems - group of 12 »
SA Weis, SE Sarma, RL Rivest, DW Engels - Security in Pervasive
Computing, 2003 - Springer
... the implementation of AES in **smart cards** is presented ... The leaves of the
tree correspond
to tag **ID numbers**. Assuming the tags have **unique** IDs, after walking to ...
Cited by 106 - Web Search - BL Direct

[BOOK] RFID Handbook: Fundamentals and Applications in Contactless
Smart Cards and Identification - group of 6 »
K Finkenzeller - 2003 - books.google.com
... 3 Example Applications 1 3. 1 Contactless **Smart Cards** 13.2 Public ...
CICC Close Coupling
Integrated Circuit Chip **Card** CIU Contactless ... HDX HF I 2 C ICC **ID** ISM
ISO ...

Cited by 182 - Web Search - Library Search

RFID Systems and Security and Privacy Implications - group of 16 »
SE Sarma, SA Weis, DW Engels - Workshop on Cryptographic Hardware and
Embedded Systems, 2002 - Springer
... contain product code information, but not **unique** identification **numbers**.
... To support
a **unique** key per tag, a ... memory on relatively resource abundant **smart
cards**. ...
Cited by 69 - Web Search - BL Direct

[BOOK] Java **Card** Technology for **Smart** Cards: Architecture and
Programmer's Guide
Z Chen - 2000 - books.google.com
... I would recommend that this book be added to the **smart card** reading
listfor anyone
developing **smart** applications. ... 13 2.3 **Smart Card** Hardware 14 2.3. ...
Cited by 180 - Web Search - Library Search

Biometric identification - group of 9 »
A Jain, L Hong, S Pankanti - Communications of the ACM, 2000 -
portal.acm.org
... these areas under development, including credit **card** security (MasterCard)
and
smartcard security (IBM ... true that face thermograms are **unique** to each ...
Cited by 120 - Web Search - BL Direct

Handbuch der Chipkarten - group of 3 »
W Rankl, W Effing - Carl Hanser Verlag, 1999 - files.hanser.de
... key directory file PUPI Pseudo-**unique** PICC identifier ... comment RFID
radio frequency
identification RFU reserved ... SC security conditions SC **smart card** SCC
smart ...
Cited by 46 - Web Search

A modified remote user authentication scheme using **smart** cards
JJ Shen, CW Lin, MS Hwang - Consumer Electronics, IEEE Transactions on,
2003 - ieeexplore.ieee.org
... The attacker can make hisiher IO, equal to **ID**: modp ... Finally, the server

will issue
the **smart card** and PW ... identity string that includes name, **unique number**
etc. ...
Cited by 38 - Web Search - BL Direct

Vital signs of identity [biometrics] - group of 2 »
B Miller - Spectrum, IEEE, 1994 - ieeexplore.ieee.org
... vaults and telecommuni- salons area **Smart card** anti fIngerprint ... The
microprocessor
in the **card** compares PINs and ... or behavioral char- acteristics **unique** to
them ...
Cited by 139 - Web Search

Goooooooooogle ▶

Result Page: 1 2 3 4 5 6 7 8 9 10   **Next**

```
smart card unique id number          Search
```

Google Home - About Google - About Google Scholar

©2006 Google

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6612486".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 08:10
L2	2	"6575835".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 08:16
L3	0	"7086087".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/31 08:16
S1	829	"SMART CARD" same (issue$1 and servic$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:02
S2	1	"SMART CARD" same (issue$1 and servic$3) and (secur$3 adj id)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:05
S3	7	"SMART CARD" same (secur$3 adj id) and (upload$3 or download$3 or reload$3 or load$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:31
S4	22	("SMART CARD" or "chip card" or "ic card") same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier)) and (upload$3 or download$3 or reload$3 or load$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:40
S5	11	("SMART CARD" or "chip card" or "ic card") same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier)) same (issu$4 or reissu$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:43
S6	1	("SMART CARD" or "chip card" or "ic card") same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier)) same manufacturer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:43

EAST Search History

S7	4	("SMART CARD" or "chip card" or "ic card") same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier)) same provider	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:49
S8	0	("SMART CARD" or "chip card" or "ic card") same (permission or policy or policies) near5 (upload$3 or upgrad$3 or reload$3 or download$3) and ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:51
S9	15	("SMART CARD" or "chip card" or "ic card") same (permission or policy or policies) near5 (upload$3 or upgrad$3 or reload$3 or download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 17:51
S10	11	("5212369" | "5923884" | "6005942" | "6092147" | "6233683" | "6250557" | "6390374" | "6402028" | "6480959"). PN. OR ("6659345").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/30 08:00
S11	11	("5212369" | "5923884" | "6005942" | "6092147" | "6233683" | "6250557" | "6390374" | "6402028" | "6480959"). PN. OR ("6659345").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/30 08:08
S12	2	"6199762".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 09:36
S13	15	"SMART CARD" same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier)) and (upload$3 or download$3 or reload$3 or load$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:12
S14	786	"SMART CARD" same (secur$3 or authenticat$3 or encrypt$3) and (mastercard or visa or "master card")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:13
S15	185	("SMART CARD" or smartcard) same (secur$3 or authenticat$3 or encrypt$3 or "tamper resistant" or trusted or protect$3) and (mastercard or visa or "master card" or "u-commerce " or "universal commerce") and (vendor or merchant or "end user" or customer or cardholder) and ("online identities" or "access rights" or privileges)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:17

EAST Search History

S16	74	("SMART CARD" or smartcard) same (secur$3 or authenticat$3 or encrypt$3 or "tamper resistant" or trusted or protect$3) and (mastercard or visa or "master card" or "u-commerce " or "universal commerce") and (vendor or merchant or "end user" or customer or cardholder) and ("online identities" or "access rights" or privileges) and ("SMART CARD" or smartcard) near5 (id or identifi$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:19
S17	35	("SMART CARD" or smartcard) same (secur$3 or authenticat$3 or encrypt$3 or "tamper resistant" or trusted or protect$3) and (mastercard or visa or "master card" or "u-commerce " or "universal commerce") and (vendor or merchant or "end user" or customer or cardholder) and ("online identities" or "access rights" or privileges) and ("SMART CARD" or smartcard) near5 (id or identifi$6) and (den$3 near3 access$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:36
S18	34	("SMART CARD" or smartcard) same (secur$3 or authenticat$3 or encrypt$3 or "tamper resistant" or trusted or protect$3) and (mastercard or visa or "master card" or "u-commerce " or "universal commerce") and (vendor or merchant or "end user" or customer or cardholder) and ("online identities" or "access rights" or privileges) and ("SMART CARD" or smartcard) near5 (id or identifi$6) and (den$3 near3 access$3) and (updat$3 or upload$3 or laod$3 or download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:37
S19	34	("SMART CARD" or smartcard) same (secur$3 or authenticat$3 or encrypt$3 or "tamper resistant" or trusted or protect$3) and (mastercard or visa or "master card" or "u-commerce " or "universal commerce") and (vendor or merchant or "end user" or customer or cardholder) and ("online identities" or "access rights" or privileges) and ("SMART CARD" or smartcard) near5 (id or identifi$6) and (den$3 near3 access$3) and (updat$3 or upload$3 or load$3 or download$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/10 12:39

EAST Search History

S20	71	((SMART or digital or electronic or chip or ic or "e") adj card) same ((secur$3 or authenticat$3 or encrypt$3) adj (id or identifier OR UNIQUE)) and (upload$3 or download$3 or reload$3 or load$3 or issu$4 or reissu$4 or distribut$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/07/26 11:45
S21	11	("5131038" | "5208446" | "5359182" | "6094573" | "6122355" | "6169890" | "6311055").PN. OR ("6592032").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/26 13:22
S22	84	("5721781").URPN.	USPAT	OR	OFF	2006/07/26 13:39
S23	15	("5721781").URPN. and microsoft.as.	USPAT	OR	OFF	2006/07/26 14:15
S24	731	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device))	USPAT	OR	OFF	2006/07/26 14:17
S25	874	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application)	USPAT	OR	ON	2006/07/26 14:18
S26	806	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application) and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5)	USPAT	OR	ON	2006/07/26 14:19
S27	801	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application) and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)	USPAT	OR	ON	2006/07/26 14:20
S28	140	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application) and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key) near5 ("master card" or visa or "american express")	USPAT	OR	ON	2006/07/27 16:39

EAST Search History

S29	140	("master card" or visa or "american express") and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application) and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5 or permission) and (id or identi$8 or unique or number or key) near5 ("master card" or visa or "american express")	USPAT	OR	ON	2006/07/27 07:33
S30	12	("master card" or visa or "american express") same ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (software or application) same (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5 or permission) same (id or identi$8 or unique or number or key) near5 ("master card" or visa or "american express")	USPAT	OR	ON	2006/07/27 07:35
S31	0	("6850916").URPN.	USPAT	OR	OFF	2006/07/27 07:46
S32	10	("6367011").URPN.	USPAT	OR	OFF	2006/07/27 08:17
S33	94	("5578808").URPN.	USPAT	OR	OFF	2006/07/27 09:05
S34	93	("5578808").URPN. and (unique or id or identifi$5 or key or secur$3 or authoriz$5 or encrypt$3 or secret$2 or number or certificate)	USPAT	OR	OFF	2006/07/27 09:07
S35	91	("5578808").URPN. and (unique or id or identifi$5 or key or secur$3 or authoriz$5 or encrypt$3 or secret$2 or number or certificate) and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3)	USPAT	OR	OFF	2006/07/27 09:09

| S36 | 153 | ("4214230" \| "4218582" \| "4259720" \| "4302810" \| "4305059" \| "4321672" \| "4341951" \| "4405829" \| "4408203" \| "4423287" \| "4442345" \| "4453074" \| "4467139" \| "4498000" \| "4536647" \| "4578530" \| "4605820" \| "4629872" \| "4630201" \| "4650978" \| "4669596" \| "4705211" \| "4709136" \| "4709137" \| "4727243" \| "4727244" \| "4731842" \| "4734568" \| "4736094" \| "4742215" \| "4745267" \| "4746788" \| "4748557" \| "4748668" \| "4752677" \| "4757185" \| "4757543" \| "4759063" \| "4759064" \| "4767920" \| "4778983" \| "4785166" \| "4786790" \| "4797542" \| "4797920" \| "4798941" \| "4802218" \| "4803347" \| "4811393" \| "4816653" \| "4816654" \| "4825052" \| "4831245" \| "4833595" \| "4839504" \| "4839792" \| "4849614" \| "4853522" \| "4853961" \| "4874935" \| "4877945" \| "4877947" \| "4879747" \| "4882474" \| "4887234" \| "4891503" \| "4891506" \| "4900904" \| "4901276" \| "4906838" \| "4907270" \| "4926480" \| "4935962" \| "4949257" \| "4961142" \| "4969188" \| "4977595" \| "4984270" \| "4985615" \| "4987593" \| "4993068" \| "4995081" \| "4996711" \| "5001753" \| "5003594" \| "5005200" \| "5010239" \| "5012074" \| "5012076" \| "5014312" \| "5016274" \| "5038025" \| "5068894" \| "5093862" \| "5097115" \| "5120939" \| "5128997" \| "5131038" \| "5142578" \| "5146499" \| "5148481" \| "5161231" \| "5162989" \| "5163098" \| "5164988" \| "5165043" \| "5166503" \| "5175416" \| "5180901" \| "5191193" \| "5191608" \| "5200999" \| "5201000" \| "5202922" \| "5214702" \| "5224162" \| "5243175" \| "5247578" \| "5293577" \| "5371797" \| "5420405" \| "5452431" \| "5473690" \| "5485520" \| "5511121").PN. OR ("5517011" \| "5530232" \| "5534857" \| "5539825" \| "5542081" \| "5544246" \| "5546523" \| "5557516" \| "5574269" \| "5578808" \| "5581708" \| "5588146" \| "5644638" \| "5682027" \| "5692132" \| "5699528" \| "5704046" \| "5705798" \| "5708780" \| "5715314" \| "5724424" \| "5729717" \| "5802519" \| "5825875" \| "5889941" \| "5923884").PN. OR ("6575372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/07/27 13:43 |

EAST Search History

S37	1	"6199762".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 13:43
S38	20	("4928001" | "5276311" | "5473690" | "5530232" | "5729717" | "5844292" | "5889941" | "5912453").PN. OR ("6199762").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 14:24
S39	1	"6317832".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:37
S40	222	726/9.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:39
S41	252	726/7.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:38
S42	595	726/5.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:38
S43	1190	726/4.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:38
S44	184	726/17.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:38
S45	126	726/20.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/27 16:38
S46	23	726/9.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:41
S47	16	726/7.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:42

S48	25	726/5.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:42
S49	54	726/4.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:42
S50	8	726/17.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:42
S51	21	726/20.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:19
S52	99	S46 S47 S48 S30 S50 S51	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 16:43

EAST Search History

S53	0	726/20.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and (stor$3 near3 "using id as key")	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:19
S54	0	726/20.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:20
S55	706	717/168.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:22
S56	310	717/171.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:21
S57	171	717/172.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:21
S58	330	717/173.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:21
S59	576	717/174.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:22
S60	267	717/176.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:22
S61	222	717/177.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:22
S62	362	717/178.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:22

EAST Search History

S63	1	717/168.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23
S64	1	717/171.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:24
S65	0	717/172.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23
S66	0	717/173.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23

EAST Search History

S67	0	717/174.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23
S68	0	717/176.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23
S69	0	717/177.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23
S70	0	717/178.ccls. and ((SMART or digital or electronic or chip or ic or "e") adj (card or device)) and Issu$4 and (secur$3 or authenticat$3 or encrypt$3 or validat$3 or authoriz$5) and (id or identi$8 or unique or number or key)and (initial$2 or load$3 or upload$3 or updat$3 or reload$3 or replenish$3 or upgrad$3 or download$3 or add$3) near3 (software or application) and "unique" near3 (message adj (id or identifier or identity))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 17:23